MAT 151 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quiz Practice

Identify the vertex and leading coefficient. Then write in standard form.

1. f(x) = -2(x + 3)2 – 5
2. f(x) = ½ (x + 4)2 + 3

Write the given expression in vertex form.

1. f(x) = x2 + 4x + 7
2. f(x) = x2 – 7x + 2

Solve the quadratic equation.

1. x2 + x – 11 = 2
2. (t + 4)2 – 6 = 0
3. – 3x2 – 2x + 6 = 0
4. 9x(x – 4)2 = -49

Find the domain of the function.

1. 
2. 